

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer implemented method of crawling hyperlinked documents, comprising:

 sending a request for additional links to hyperlinked documents to a link manager;

 receiving a plurality of links to hyperlinked documents to be crawled, the plurality of links being selected by the link manager based on priority;

 grouping the plurality of links to hyperlinked documents by host;

 selecting a host to crawl next according to a stall time of the host; and

 crawling a hyperlinked document from the selected host.
2. (Original) The method of claim 1, wherein the stall time of the host is the earliest time in which a hyperlinked document from the host should be crawled.
3. (Original) The method of claim 1, wherein selecting a host to crawl next includes selecting a host with a stall time that is earlier than the current time.
4. (Original) The method of claim 1, further comprising grouping the hosts according to the number of hyperlinked documents to be crawled at each host.

5. (Original) The method of claim 4, further comprising examining the groups in descending order of the number of hyperlinked documents to be crawled at each host until a host is found with a stall time that is earlier than the current time.

6. (Original) The method of claim 4, wherein the hosts within each group are sorted by stall time.

7. (Currently Amended) The method of claim 4, further comprising moving the selected host to a group with [[one]] less hyperlinked documents to be crawled.

8. (Original) The method of claim 1, further comprising determining a retrieval time for retrieving the hyperlinked document from the selected host.

9. (Original) The method of claim 8, further comprising adjusting subsequent stall times for the selected host according to the retrieval times.

10. (Currently Amended) A computer program product for crawling hyperlinked documents, comprising:

computer code that requests links from a link manager;

computer code that receives a plurality of links to hyperlinked documents to be crawled from the link manager, the plurality of links being selected by the link manager based on priority;

computer code that groups the plurality of links to hyperlinked documents by host;

computer code that selects a host to crawl next according to a stall time of the host;

computer code that crawls a hyperlinked document from the selected host;
and

a computer readable medium that stores the computer codes.

11. (Original) The computer program product of claim 10, wherein the computer readable medium is a CD-ROM, floppy disk, tape, flash memory, system memory, hard drive, or data signal embodied in a carrier wave.

12. (Currently Amended) A computer implemented method of crawling hyperlinked documents, comprising:

sending a request for links to hyperlinked documents to a device;

receiving a plurality of links to hyperlinked documents to be crawled from the device, the plurality of links being selected by the device based on priority;

grouping the plurality of links to hyperlinked documents by host;

selecting a host to crawl next according to a stall time of the host;

crawling a hyperlinked document form the selected host;
determining a retrieval time for retrieving the hyperlinked document form
the selected host; and
adjusting subsequent stall times for the selected host according to the
retrieval time.

13. (Original) The method of claim 12, wherein the stall time of the host is
the earliest time in which a hyperlinked document from the host should be crawled.

14. (Original) The method of claim 12, wherein selecting a host to crawl next
includes selecting a host with a stall time that is earlier than the current time.

15. (Original) The method of claim 12, further comprising grouping the hosts
according to the number of hyperlinked documents to be crawled at each host.

16. (Original) The method of claim 15, further comprising examining the
groups in descending order of the number of hyperlinked documents to be crawled at
each host until a host is found with a stall time that is earlier than the current time.

17. (Original) The method of claim 15, wherein the hosts within each group
are sorted by stall time.

18. (Currently Amended) The method of claim 15, further comprising moving the selected host to a group with ~~[[one]]~~ less hyperlinked documents to be crawled.

19. (Currently Amended) The method of claim 18, further comprising ~~displaying the at least one category that was selected with the search results from the query~~ determining a retrieval time for retrieving the hyperlinked document from the selected host.

20. (Currently Amended) A computer program product for crawling hyperlinked documents, comprising:

computer code that sends a request for links to hyperlinked documents to a device;

computer code that receives a plurality of links to hyperlinked documents to be crawled from the device, the plurality of links being selected by the device based on priority;

computer code that groups the plurality of links to hyperlinked documents by host;

computer code that selects a host to crawl next according to a stall time of the host;

computer code that crawls a hyperlinked document from the selected host including determining a retrieval time for retrieving the hyperlinked document from the selected host;

computer code that adjusts subsequent stall times for the selected host according to the retrieval time; and

a computer readable medium that stores the computer codes.

21. (Original) The computer program product of claim 20, wherein the computer readable medium is a CD-ROM, floppy disk, tape, flash memory, system memory, hard drive, or data signal embodied in a carrier wave.

22. (Original) A computer implemented method of crawling hyperlinked documents, comprising:

storing a plurality of links to hyperlinked documents to be crawled;
determining that more links to hyperlinked documents are desired;
sending requests to multiple link managers for more links to hyperlinked documents;
receiving additional links to hyperlinked documents from the link managers;
selecting a host to crawl next according to a stall time of the host; and
crawling a hyperlinked document from the selected host.

23. (Original) A computer program product for crawling hyperlinked documents, comprising:

- computer code that stores a plurality of links to hyperlinked documents to be crawled;
- computer code that determines that more links to hyperlinked documents are desired;
- computer code that sends requests to multiple link managers for more links to hyperlinked documents;
- computer code that receives additional links to hyperlinked documents from the link managers;
- computer code that selects a host to crawl next according to a stall time of the host;
- computer code that crawls a hyperlinked document from the selected host;
- and
- a computer readable medium that stores the computer codes.

24. (Original) The computer program product of claim 23, wherein the computer readable medium is a CD-ROM, floppy disk, tape, flash memory, system memory, hard drive, or data signal embodied in a carrier wave.

25. (New) A method for crawling hyperlinked documents, comprising:

prioritizing a plurality of links to hyperlinked documents to be crawled;
and
crawling a hyperlinked document using one of the prioritized plurality of
links.